



A.D. 1873, 18th APRIL. N° 1406.

Instrument for Vaccinating.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by James Arnold at the Office of the Commissioners of Patents, with his Petition, on the 18th April 1873.

I, JAMES ARNOLD, of the Firm of Arnold and Sons, of 35 and 5 36, West Smithfield, in the City of London, Surgical Instrument Makers, do hereby declare the nature of the said Invention for "A NEW OR IMPROVED INSTRUMENT OR INSTRUMENTS FOR VACCINATING," to be as follows:—

This Invention consists in the construction and employment of in one 10 and the same appliance or instrument of a series of points or scarifying instruments in such manner that the points are protected when not in use, but when required can be readily and almost instantaneously produced all as hereafter described.

The points or scarifying instruments are carried on a spring spindle 15 the position of which is capable of being adjusted as required by spindle and nut in order to regulate the depth to which the instruments may be required to enter the skin of the person to be vaccinated. The spindle is supported in the sides of the box which has slots or apertures

Arnold's Improved Instrument for Vaccinating.

in the top thereof to correspond with the number of points or scarifying instruments on the spindle; on the under side of the box or on the opposite side to the apertures there is a lever for rotating the spindle when required; also in some other convenient position there is a pin with button for releasing the spring round spindle as hereafter 5 mentioned. To use the instrument the lever is pressed back and the points are thrown out through the apertures (there may for example be three points and three corresponding apertures, but I do not limit myself to this number as less or more might be used); the nut is then turned to adjust the distance the points should project, which done the 10 lever is again pressed in the contrary direction and the points return to the inside of the instrument, which is then ready for application and use.

To vaccinate place the aperture end of the instrument to the arm or other part, press the side button before mentioned, the spring is then 15 instantly released and the points or scarifiers are instantaneously forced into the arm or other part of the patient, which is thus prepared for the lymph.

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